



PTO/SB/08 (07/05)

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/718,248
				Filing Date	November 20, 2003
				First Named Inventor	Daniel DiLorenzo
				Art Unit	3762
				Examiner Name	Scott M. Getzow
Sheet	1	Of	40	Attorney Docket Number	31685-704.502

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
SS	1.	US 2001/0051819 A1	12-13-2001	Fischell, et. al.	
	2.	US 2001/0056290 A1	12-27-2001	Fischell, et. al.	
	3.	US 2002/0002390 A1	01-03-2002	Fischell, et. al.	
	4.	US 2002/0054694 A1	05-09-2002	Vachtsevanos et al.	
	5.	US 2002/0072770 A1	06-13-2002	Pless	
	6.	US 2002/0072776 A1	06-13-2002	Osorio et al.	
	7.	US 2002/0072782 A1	06-13-2002	Osorio et al.	
	8.	US 2002/0077670 A1	06-20-2002	Archer et al.	
	9.	US 2002/0095099 A1	07-18-2002	Quyen, et. al.	
	10.	US 2002/0099412 A1	07-25-2002	Fischell et al.	
	11.	US 2002/0103512 A1	08-01-2002	Echaz et al.	
	12.	US 2002/0111542 A1	08-15-2002	Warkentin et al.	
	13.	US 2002/0116042 A1	08-22-2001	Boling	
	14.	US 2002/0169485 A1	11-14-2002	Pless et al.	
	15.	US 2002/0177882 A1	11-28-2002	DiLorenzo	
	16.	US 2002/0188330 A1	12-12-2002	Gielen et al.	
	17.	US 2003/0004428 A1	01-02-2003	Pless	
	18.	US 2003/0009207 A1	01-09-2003	Paspa et al.	
	19.	US 2003/0018367 A1	01-23-2003	DiLorenzo	
	20.	US 2003/0028072 A1	02-06-2003	Fischell et al.	
	21.	US 2003/0050549 A1	03-13-2003	Sochor	
	22.	US 2003/0073917 A1	04-17-2003	Echaz et al.	
	23.	US 2003/0074033 A1	04-17-2003	Pless et al.	
	24.	US 2003/0083716 A1	05-01-2003	Nicolelis et al.	

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Attorney Docket No. 31685-704.502

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SG	25.	US 2003/0114886 A1	06-19-2003	Gluckman et al.	
	26.	US 2003/0144709 A1	07-31-2003	Zabara et al.	
	27.	US 2003/0144711 A1	07-31-2003	Pless et al.	
	28.	US 2003/0149457 A1	08-07-2003	Tcheng et al.	
	29.	US 2003/0158587 A1	08-21-2003	Esteller et al.	
	30.	US 2003/0176806 A1	09-18-2003	Pineda et al.	
	31.	US 2003/0181955 A1	09-25-2003	Gielen	
	32.	US 2003/0187621 A1	10-02-2003	Nikitin et al.	
	33.	US 2003/0195574 A1	10-16-2003	Osorio et al.	
	34.	US 2003/0195588 A1	10-16-2003	Fischell et al.	
	35.	US 2003/0195602 A1	10-16-2003	Boling	
	36.	US 2004/0034368 A1	02-19-2004	Pless et al.	
	37.	US 2004/0039427 A1	02-26-2004	Barrett et al.	
	38.	US 2004/0054297 A1	03-18-2004	Wingeier et al.	
	39.	US 2004/0059761 A1	03-25-2004	Hively	
	40.	US 2004/0068199 A1	04-08-2004	Echaz et al.	
	41.	US 2004/0073273 A1	04-15-2004	Gluckman et al.	
	42.	US 2004/0077995 A1	04-22-2004	Ferek-Petric	
	43.	US 2004/0078160 A1	04-22-2004	Frei et al.	
	44.	US 2004/0082984 A1	04-29-2004	Osorio et al.	
	45.	US 2004/0087835 A1	05-06-2004	Hively	
	46.	US 2004/0097802 A1	05-20-2004	Cohen	
	47.	US 2004/0122281 A1	06-24-2004	Fishcell et al.	
✓	48.	US 2004/0122335	06-24-2004	Sackellares et al.	

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S6	49.	US 2004/0127810	07-01-2004	Sackellares et al.	
	50.	US 2004/0133119 A1	07-08-2004	Osorio et al.	
	51.	US 2004/0133248 A1	07-08-2004	Frei et al.	
	52.	US 2004/0133390 A1	07-08-2004	Osorio et al.	
	53.	US 2004/0138516 A1	07-15-2004	Osorio et al.	
	54.	US 2004/0138517 A1	07-15-2004	Osorio et al.	
	55.	US 2004/0138536 A1	07-15-2004	Frei et al.	
	56.	US 2004/0138578 A1	07-15-2004	Pineda et al.	
	57.	US 2004/0138580 A1	07-15-2004	Frei et al.	
	58.	US 2004/0138581 A1	07-15-2004	Frei et al.	
	59.	US 2004/0138647 A1	07-15-2004	Osorio et al.	
	60.	US 2004/0138711 A1	07-15-2004	Osorio et al.	
	61.	US 2004/0138721 A1	07-15-2004	Osorio et al.	
	62.	US 2004/0152958 A1	08-05-2004	Frei et al.	
	63.	US 2004/0153129 A1	08-05-2004	Pless et al.	
	64.	US 2004/0158119 A1	08-12-2004	Osorio et al.	
	65.	US 2004/0172089 A1	09-02-2004	Whitehurst et al.	
	66.	US 2004/0199212 A1	10-07-2004	Fischell	
	67.	US 2004/0267152 A1	12-30-2004	Pineda et al.	
	68.	US 2005/0004621 A1	01-06-2005	Boveja et al.	
	69.	US 2005/0010261 A1	01-13-2005	Luders et al.	
	70.	US 2005/0015129 A1	01-20-2005	Mische	
	71.	US 2005/0021104	01-27-2005	DiLorenzo	
	72.	US 2005/0021105 A1	01-27-2005	Firlik et al.	

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SG	73.	US 2005/0021313 A1	01-27-2005	Nikitin et al.	
	74.	US 2005/0027328 A1	02-03-2005	Greenstein	
	75.	US 2005/0033369 A1	02-10-2005	Badelt	
	76.	US 2005/0043772 A1	02-24-2005	Stahmann et al.	
	77.	US 2005/0049649 A1	03-03-2005	Luders et al.	
	78.	US 2005/0070970 A1	03-31-2005	Knudson et al.	
	79.	US 2005/0075067 A1	04-07-2005	Lawson et al.	
	80.	US 2005/0096710 A1	05-05-2005	Kieval	
	81.	US 2005/0113885 A1	05-26-2005	Haubrich et al.	
	82.	US 2005/0119703	06-02-2005	DiLorenzo	
	83.	US 2005/0131493 A1	06-16-2005	Boveja et al.	
	84.	US 2005/0137640 A1	06-23-2005	Freeberg et al.	
	85.	US 2005/0143786 A1	06-30-2005	Boveja	
	86.	US 2005/0143787 A1	06-30-2005	Boveja et al.	
	87.	US 2005/0149123 A1	07-07-2005	Lesser et al.	
	88.	US 2005/0182308 A1	08-18-2005	Bardy	
	89.	US 2005/0187789 A1	08-25-2005	Hatlestad	
	90.	US 2005/0197590 A1	09-08-2005	Osorio et al.	
	91.	US 2005/0222503 A1	10-06-2005	Dunlop et al.	
	92.	US 2005/0222626	10-06-2005	DiLorenzo	
	93.	US 2005/0222641 A1	10-06-2005	Pless	
	94.	US 2005/0228249 A1	10-13-2005	Boling	
	95.	US 2005/0228461 A1	10-13-2005	Osorio et al.	
	96.	US 2005/0231374 A1	10-20-2005	Diem et al.	

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SB	97.	US 2005/0234355 A1	10-20-2005	Rowlandson	
	98.	US 2005/0240242	10-27-2005	DiLorenzo	
	99.	US 2005/0240245 A1	10-27-2005	Bange et al.	
	100.	US 2005/0245970 A1	11-03-2005	Erickson et al.	
	101.	US 2005/0245984 A1	11-03-2005	Singhal et al.	
	102.	US 2005/0266301 A1	12-01-2005	Smith et al.	
	103.	US 2005/0277844 A1	12-15-2005	Strother	
	104.	US 2006/0015034 A1	01-19-2006	Martinerie et al.	
	105.	US 3,498,287	03-03-1970	Ertl	
	106.	US 3,575,162	04-20-1971	Gaarder	
	107.	US 3,837,331	09-24-1974	Ross	
	108.	US 3,850,161	11-26-1974	Liss	
	109.	US 3,863,625	02-04-1975	Viglione et al.	
	110.	US 3,882,850	05-13-1975	Bailin et al.	
	111.	US 3,918,461	11-11-1975	Cooper	
	112.	US 3,967,616	07-06-1976	Ross	
	113.	US 3,993,046	11-23-1976	Fernandez	
	114.	US 4,201,224	05-06-1980	John	
	115.	US 4,214,591	07-29-1980	Sato et al.	
V	116.	US 4,279,258	07-21-1981	John	
	117.	US 4,305,402	12-15-1981	Katims	
	118.	US 4,334,545	06-15-1982	Shiga	
	119.	US 4,407,299	10-04-1973	Culver	
	120.	US 4,408,616	10-11-1983	Duffy et al.	

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S-G	121.	US 4,421,122	12-20-1983	Duffy	
	122.	US 4,471,786	09-18-1984	Inagaki	
	123.	US 4,494,950	01-22-1985	Fischell	
	124.	US 4,505,275	03-19-1985	Chen	
	125.	US 4,545,388	10-08-1985	John	
	126.	US 4,566,464	01-28-1986	Piccone et al.	
	127.	US 4,573,481	03-04-1986	Bullara	
	128.	US 4,579,125	04-01-1986	Strobl et al.	
	129.	US 4,590,946	05-27-1986	Loeb	
	130.	US 4,612,934	09-23-1986	Borkan	
	131.	US 4,702,254	10-27-1987	Zabara	
	132.	US 4,768,176	08-30-1988	Kehr et al.	
	133.	US 4,768,177	08-30-1988	Kehr et al.	
	134.	US 4,793,353	12-27-1988	Borkam	
	135.	US 4,817,628	04-04-1989	Zealear	
	136.	US 4,838,272	06-13-1989	Lieber	
	137.	US 4,844,075	07-04-1989	Liss et al.	
	138.	US 4,852,573	08-01-1989	Kennedy	
	139.	US 4,867,164	09-19-1989	Zabara	
	140.	US 4,873,981	10-17-1989	Abrams et al.	
	141.	US 4,878,498	11-07-1989	Abrams et al.	
	142.	US 4,920,979	05-01-1990	Bullara	
	143.	US 4,926,865	05-11-1990	Oman	
	144.	US 4,955,380	09-11-1990	Edell	

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/718,248
				Filing Date	November 20, 2003
				First Named Inventor	Daniel DiLorenzo
				Art Unit	3762
				Examiner Name	Scott M. Getzow
Sheet	7	Of	40	Attorney Docket Number	31685-704.502

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
SG	145.	US 4,978,680	12-18-1990	Sofia	
	146.	US 4,979,511	12-25-1990	Terry	
	147.	US 5,010,891	04-30-1991	Chamoun	
	148.	US 5,016,635	12-10-1991	Graupe	
	149.	US 5,025,807	06-25-1991	Zabara	
	150.	US 5,031,618	07-16-1991	Mullett	
	151.	US 5,070,873	12-10-1991	Graupe et al.	
	152.	US 5,082,861	01-21-1992	Sofia	
	153.	US 5,097,835	03-24-1992	Putz	
	154.	US 5,154,172	10-13-1992	Terry	
	155.	US 5,167,229	12-01-1992	Peckham et al.	
	156.	US 5,179,950	01-19-1993	Stanislaw	
	157.	US 5,181,520	01-26-1993	Wertheim et al.	
	158.	US 5,186,170	02-16-1993	Varichio	
	159.	US 5,188,104	02-23-1993	Wernicke	
	160.	US 5,190,029	03-02-1993	Byron et al.	
	161.	US 5,205,285	04-27-1993	Baker, Jr.	
↓	162.	US 5,215,086	06-01-1993	Terry, Jr. et al.	
	163.	US 5,215,088	06-01-1993	Normann	
	164.	US 5,215,089	06-01-1993	Baker, Jr.	
	165.	US 5,222,494	06-29-1993	Baker, Jr.	
	166.	US 5,222,503	06-29-1993	Ives	
	167.	US 5,231,988	08-03-1993	Wernicke et al.	
	168.	US 5,235,980	08-17-1993	Varichio et al.	

Examiner Signature	SG	Date Considered	8/15/06
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				Examiner Name	Scott M. Getzow
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SG	169.	US 5,237,991	08-24-1993	Baker, Jr.	
	170.	US 5,251,634	10-12-1993	Weinberg	
	171.	US 5,263,480	11-23-1992	Wernicke et al.	
	172.	US 5,265,619	11-30-1993	Comby et al.	
	173.	US 5,269,302	12-14-1993	Swartz et al.	
	174.	US 5,269,303	12-14-1993	Wernicke et al.	
	175.	US 5,292,772	03-08-1994	Sofia	
	176.	US 5,293,879	03-15-1994	Vonk	
	177.	US 5,299,569	04-05-1994	Wernicke et al.	
	178.	US 5,300,094	04-05-1994	Kallok et al.	
	179.	US 5,304,206	04-19-1994	Baker, Jr. et al.	
	180.	US 5,311,876	05-17-1994	Olsen et al.	
	181.	US 5,314,458	05-24-1994	Najafi et al.	
	182.	US 5,330,515	07-19-1994	Rutecki et al.	
	183.	US 5,335,657	08-09-1994	Terry et al.	
	184.	US 5,342,408	08-30-1994	deColriolis et al.	
	185.	US 5,342,409	08-30-1994	Mullett	
	186.	US 5,343,064	08-30-1994	Spangler et al.	
	187.	US 5,349,962	09-27-1994	Lockard et al.	
	188.	US 5,351,394	10-04-1994	Weinberg	
	189.	US 5,361,760	11-08-1994	Normann	
	190.	US 5,365,939	11-22-1994	Ochs	
	191.	US 5,376,359	12-27-1994	Johnson	
	192.	US 5,392,788	02-28-1995	Hudspeth	

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				Art Unit	3762
				Examiner Name	Scott M. Getzow
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SG	193.	US 5,405,365	04-11-1995	Hoegnelid et al.	
	194.	US 5,411,540	05-02-1995	Edell et al.	
	195.	US 5,458,117	10-17-1995	Chamoun	
	196.	US 5,474,547	12-12-1995	Aebischer et al.	
	197.	US 5,476,494	12-19-1995	Edell et al.	
	198.	US 5,486,999	01-23-1996	Mebane	
	199.	US 5,513,649	05-07-1996	Gevins	
	200.	US 5,531,778	07-02-1996	Maschino et al.	
	201.	US 5,540,730	07-30-1994	Terry	
	202.	US 5,540,734	07-30-1996	Zabara	
	203.	US 5,549,656	08-27-1996	Reiss	
	204.	US 5,555,191	09-10-1996	Hripsak	
	205.	US 5,571,150	11-05-1996	Wernicke	
	206.	US 5,575,813	11-19-1996	Edell et al.	
	207.	US 5,611,350	03-18-1997	John	
	208.	US 5,626,145	05-06-1997	Clapp et al.	
	209.	US 5,626,627	05-06-1997	Krystal et al.	
	210.	US 5,638,826	06-17-1997	Wolpaw	
	211.	US 5,649,068	07-15-1997	Boser et al.	
	212.	US 5,683,422	11-04-1997	Rise	
	213.	US 5,690,681	11-25-1997	Geddes et al.	
	214.	US 5,697,369	12-16-1997	Long	
	215.	US 5,700,282	12-23-1997	Zabara	
✓	216.	US 5,707,400	01-13-1998	Terry et al.	

Examiner Signature	S. B.	Date Considered	8/15/06
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				First Named Inventor	Daniel DiLorenzo
				Art Unit	3762
				Examiner Name	Scott M. Getzow
Sheet	10	Of	40	Attorney Docket Number	31685-704.502

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SG	217.	US 5,711,316	01-27-1998	Elsberry et al.	
	218.	US 5,713,923	02-03-1998	Ward et al.	
	219.	US 5,715,821	02-10-1998	Faupel	
	220.	US 5,716,377	02-10-1998	Rise et al.	
	221.	US 5,720,294	02-24-1998	Skinner	
	222.	US 5,735,814	04-07-1998	Elsberry et al.	
	223.	US 5,743,860	04-28-1998	Hively et al.	
	224.	US 5,752,979	05-19-1998	Benabid	
	225.	US 5,769,778	06-23-1998	Abrams et al.	
	226.	US 5,776,434	07-07-1998	Purewal et al.	
	227.	US 5,782,798	07-21-1998	Rise	
	228.	US 5,782,874	07-21-1998	Loos	
	229.	US 5,792,186	11-11-1998	Rise	
	230.	US 5,800,474	09-01-1998	Bernabid et al.	
	231.	US 5,813,993	09-29-1998	Kaplan	
	232.	US 5,814,014	09-29-1998	Elsberry et al.	
	233.	US 5,815,413	09-29-1998	Hively et al.	
	234.	US 5,816,247	10-06-1998	Maynard	
	235.	US 5,824,021	10-20-1998	Rise	
	236.	US 5,832,932	11-10-1998	Elsberry et al.	
	237.	US 5,833,709 B1	11-10-1998	Rise et al.	
	238.	US 5,857,978	01-12-1999	Hively et al.	
	239.	US 5,899,922	05-04-1999	Loos	
	240.	US 5,916,239	06-29-1999	Geddes et al.	

Examiner Signature	SG	Date Considered	8/15/06
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SG	241.	US 5,917,429	06-29-1999	Otis Jr. et al.	
	242.	US 5,928,272	07-27-1999	Adkins	
	243.	US 5,938,689	08-17-1999	Fischell et al.	
	244.	US 5,941,106	08-24-1999	Barreras et al.	
	245.	US 5,950,632	09-14-1999	Reber et al.	
	246.	US 5,971,594	10-26-1999	Sahai et al.	
	247.	US 5,975,085	11-02-1999	Rise	
	248.	US 5,978,702	11-02-1999	Ward et al.	
	249.	US 5,995,868	11-30-1999	Dorfmeister et al.	
	250.	US 6,006,124	12-21-1999	Fischell et al.	
	251.	US 6,018,682	01-25-2000	Rise	
	252.	US 6,042,548	03-28-2000	Giuffre	
	253.	US 6,042,579	03-28-2000	Elsberry et al.	
	254.	US 6,061,593	05-09-2000	Fischell et al.	
	255.	US 6,066,163	05-23-2000	John	
	256.	US 6,081,744	06-27-2000	Loos	
	257.	US 6,104,956	08-20-2000	Naritoku	
	258.	US 6,109,269	08-29-2000	Rise et al.	
	259.	US 6,117,066	09-12-2000	Abrams et al.	
	260.	US 6,128,537	10-03-2000	Rise et al.	
	261.	US 6,128,538	10-03-2000	Fischell et al.	
	262.	US 6,134,474	10-17-2000	Fischell et al.	
	263.	US 6,161,045	12-12-2000	Fischell et al.	
	264.	US 6,167,304	12-26-2000	Loos	

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SG	265.	US 6,171,239	01-09-2001	Humphrey	
	266.	US 6,176,242 B1	01-23-2001	Rise	
	267.	US 6,205,359	05-20-2001	Boveja	
	268.	US 6,221,011	04-24-2001	Bardy	
	269.	US 6,227,203 B1	05-08-2001	Rise et al.	
	270.	US 6,230,049	05-08-2001	Fischell et al.	
	271.	US 6,248,126	06-19-2001	Lesser et al.	
	272.	US 6,249,703	06-19-2001	Stanton	
	273.	US 6,263,237 B1	07-17-2001	Rise	
	274.	US 6,304,775	10-16-2001	Iasemidis et al.	
	275.	US 6,309,406	10-30-2001	Jones et al.	
	276.	US 6,328,699	12-11-2001	Eigler	
	277.	US 6,337,997 B1	01-08-2002	Rise	
	278.	US 6,339,725	01-15-2002	Naritoku	
	279.	US 6,341,236	01-22-2002	Osorio et al.	
	280.	US 6,343,226	01-29-2002	Sunde et al.	
	281.	US 6,353,754 B1	03-05-2002	Fischell et al.	
	282.	US 6,354,299	03-12-2002	Fischell et al.	
	283.	US 6,356,784 B1	12-12-2002	Lozano et al.	
	284.	US 6,356,788	03-12-2002	Boveja	
	285.	US 6,358,203	03-19-2002	Bardy	
	286.	US 6,360,122	03-19-2002	Fischell	
	287.	US 6,366,813	04-02-2002	DiLorenzo	
	288.	US 6,366,814	04-02-2002	Boveja	

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	290.	US 6,386,882	05-14-2002	Linberg	
	291.	US 6,402,678 B1	06-11-2002	Fischell et al.	
	292.	US 6,427,086 B1	11-30-2002	Fischell et al.	
	293.	US 6,434,419	08-13-2002	Gevens et al.	
	294.	US 6,442,421	08-27-2002	Quyen et al.	
	295.	US 6,443,891	09-03-2002	Grevious	
	296.	US 6,453,198	09-17-2002	Torgerson	
	297.	US 6,459,936 B2	10-01-2002	Fischell	
	298.	US 6,463,328	10-08-2002	John	
	299.	US 6,466,822	10-15-2002	Pless	
	300.	US 6,471,645	10-29-2002	Warkentin et al.	
	301.	US 6,473,639 B1	10-29-2002	Fischell et al.	
	302.	US 6,473,644	10-29-2002	Terry et al.	
	303.	US 6,480,743	11-12-2002	Kirkpatrick	
	304.	US 6,484,132	11-19-2002	Hively et al.	
	305.	US 6,488,617	12-03-2002	Katz	
	306.	US 6,496,724	12-17-2002	Levendowski et al.	
	307.	US 6,507,754	01-14-2003	Quyen et al.	
	308.	US 6,510,340	01-21-2003	Jordan	
	309.	US 6,511,424	01-28-2003	Moore-Ede	
	310.	US 6,529,774	03-04-2003	Greene	
	311.	US 6,534,693	03-18-2003	Fischell et al.	
✓	312.	US 6,547,746	05-15-2003	Marino	

Examiner Signature	SG	Date Considered	8/15/06
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Attorney Docket No. 31685-704.502

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/718,248
				Filing Date	November 20, 2003
				First Named Inventor	Daniel DiLorenzo
				Art Unit	3762
				Examiner Name	Scott M. Getzow
Sheet	14	Of	40	Attorney Docket Number	31685-704.502

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
S.G.	313.	US 6,549,804	04-15-2003	Osorio et al.	
	314.	US 6,553,262	04-22-2003	Lang et al.	
	315.	US 6,560,486	05-06-2003	Osorio et al.	
	316.	US 6,571,123	05-27-2003	Ives et al.	
	317.	US 6,571,125	05-27-2003	Thompson	
	318.	US 6,572,528	06-03-2003	Rohan et al.	
	319.	US 6,587,719	07-01-2003	Barrett et al.	
	320.	US 6,587,727	07-01-2003	Osorio et al.	
	321.	US 6,591,132	07-08-2003	Gotman et al.	
	322.	US 6,591,137	07-08-2003	Fischell et al.	
	323.	US 6,591,138	07-08-2003	Fischell et al.	
	324.	US 6,594,524	07-15-2003	Esteller et al.	
	325.	US 6,597,953	07-22-2003	Boling	
	326.	US 6,597,954	07-22-2003	Pless et al.	
	327.	US 6,600,956	07-29-2003	Maschino	
	328.	US 6,606,521	08-12-2003	Paspa et al.	
	329.	US 6,609,025	08-19-2003	Barrett et al.	
	330.	US 6,618,623	09-09-2003	Pless et al.	
	331.	US 6,620,415	09-16-2003	Donovan	
	332.	US 6,622,036	09-16-2003	Suffin	
	333.	US 6,622,038	09-16-2003	Barrett et al.	
	334.	US 6,622,041	09-16-2003	Terry et al.	
	335.	US 6,622,047	09-16-2003	Barrett et al.	
	336.	US 6,647,296	11-11-2003	Fischell et al.	

Examiner Signature	S.G.	Date Considered	2/15/06
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				Art Unit	3762
				Examiner Name	Scott M. Getzow
Sheet	15	Of	40	Attorney Docket Number	31685-704.502

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Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
SG	337.	US 6,650,779	11-18-2003	Vachtesvanos et al.	
	338.	US 6,658,287	12-02-2003	Litt et al.	
	339.	US 6,662,035	12-09-2003	Sochor	
	340.	US 6,665,562	12-16-2003	Gluckman et al.	
	341.	US 6,668,191	12-23-2003	Boveja	
	342.	US 6,671,555	12-30-2003	Gielen	
	343.	US 6,671,556	12-30-2003	Osorio	
	344.	US 6,678,548	01-13-2004	Echaz et al.	
	345.	US 6,684,105	01-27-2004	Cohen et al.	
	346.	US 6,687,538	02-03-2004	Hrdlicka et al.	
	347.	US 6,690,974	02-10-2004	Archer et al.	
	348.	US 6,721,603	07-31-2003	Zabara	
	349.	US 6,735,467	05-11-2004	Wilson	
	350.	US 6,760,626	07-06-2004	Boveja	
	351.	US 6,768,969	07-27-2004	Nikitin et al.	
	352.	US 6,778,854	08-17-2004	Puskas	
	353.	US 6,782,292	08-24-2004	Whitehurst	
	354.	US 6,788,975	09-27-2004	Whitehurst	
	355.	US 6,793,670	09-21-2004	Osorio	
	356.	US 6,810,285	10-26-2004	Pless et al.	
	357.	US 6,819,956	11-16-2004	DiLorenzo	
	358.	US 6,824,512	11-30-2004	Warkentin et al.	
	359.	US 6,873,872	03-29-2005	Gluckman et al.	
	360.	US 6,879,859	04-12-2005	Boveja	

Examiner Signature	S-G.	Date Considered	8/15/06
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				First Named Inventor	Daniel DiLorenzo
				Art Unit	3762
				Examiner Name	Scott M. Getzow
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SB	361.	US 6,901,292	08-24-2005	Whitehurst	
	362.	US 6,904,390	06-07-2005	Nikitin et al.	
	363.	US 6,912,419	06-28-2005	Hill	
	364.	US 6,920,357	07-19-2005	Osorio	
	365.	US 6,921,538	07-16-2005	Donovan	
	366.	US 6,921,541	07-26-2005	Chasin et al.	
	367.	US 6,923,784	08-02-2005	Stein	
	368.	US 6,931,274	08-16-2005	Williams	
	369.	US 6,934,580	08-23-2005	Osorio	
	370.	US 6,937,891	08-30-2005	Leinders et al	
	371.	US 6,944,501	09-13-2005	Pless	
	372.	US 6,950,706	09-27-2005	Rodriguez	
	373.	US 6,961,618	11-01-2005	Osorio	
	374.	US 6,973,342	12-06-2005	Swanson	
	375.	US RE 034015	08-04-1992	Duffy	

FOREIGN PATENT DOCUMENTS						
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SC	376.	CA 2251852 (Abstract)	04-27-1999	NeuroPace, Inc.		
	377.	CA 2423840 (Abstract)	02-07-2002	NeuroPace, Inc.		
	378.	CA 2425004 (Abstract)	08-01-2002	UPenn		
	379.	CA 2425122 (Abstract)	06-27-2002	UPenn		
	380.	CA 2428116 (Abstract)	05-10-2002	NeuroPace, Inc.		
	381.	CA 2428383 (Abstract)	05-16-2002	NeuroPace, Inc.		

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Sheet	17	Of	40	Attorney Docket Number	31685-704.502

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SS	382.	CA 2456443 (Abstract)	01-09-2003	NeuroPace, Inc.		
	383.	CA 2491987 (Abstract)	01-22-2004	UT-Battelle, LLC		
	384.	DE 69832022D (Abstract)	12-01-2005	NeuroPace, Inc.		
	385.	EP 0124663A1	11-14-1984	General Foods Corp.		
	386.	EP 0898460 (Abstract)	03-03-1999	University of Kansas		
	387.	EP 0911061B1	10-26-2005	Fischell, Robert E.		
	388.	EP 1017313 (Abstract)	07-12-2000	Lockheed Martin Energy Research Corporation		
	389.	EP 1107693 (Abstract)	06-20-2001	Emory University		
	390.	EP 1145735A2	10-17-2001	Neuropace, Inc.		
	391.	EP 1145736A2	10-17-2001	Neuropace, Inc.		
	392.	EP 1292900 (Abstract)	03-19-2003	Flint Hills Scientific, L.L.C.		
	393.	EP 1307260 (Abstract)	05-07-2003	Neuropace, Inc.		
	394.	EP 1331967 (Abstract)	08-06-2003	Neuropace, Inc.		
	395.	EP 1333753 (Abstract)	09-01-2004	UPenn		
	396.	EP 1335668 (Abstract)	08-20-2003	Neuropace, Inc.		
	397.	EP 1341580 (Abstract)	09-10-2003	UPenn		
	398.	EP 1404216 (Abstract)	04-07-2004	Neuropace, Inc.		
	399.	EP 1525551 (Abstract)	04-27-2005	UT-Battelle, LLC		
	400.	EP 1558121 (Abstract)	08-03-2005	Medtronic Inc.		
	401.	EP 1558128 (Abstract)	08-03-2005	Medtronic Inc.		
	402.	EP 1558130 (Abstract)	08-03-2005	Medtronic Inc.		
	403.	EP 1558131 (Abstract)	08-03-2005	Medtronic Inc.		
✓	404.	EP 1558132 (Abstract)	08-03-2005	Medtronic Inc.		

Examiner Signature	S-G.	Date Considered	8/15/06
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Sheet	18	Of	40	Attorney Docket Number	31685-704.502

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S-G	405.	EP 1558330 (Abstract)	08-03-2005	Medtronic Inc.		
	406.	EP 1558334 (Abstract)	08-03-2005	Medtronic Inc.		
	407.	EP 1562674 (Abstract)	08-17-2005	Medtronic Inc.		
	408.	EP 1609414A2	12-28-2005	UPenn		
	409.	JP 24033673A2 (English Abstract)	02-05-2004	UPenn		
	410.	SU 1074484 (in Russian with English abstract)	02-23-1984	Rachkov et al.		
	411.	WO 85/01213A1	03-28-1985	Zabara, Jacob		
	412.	WO 92/00119A1 (in French with English Abstract)	01-09-1992	Verhoeven, Jean-Marie		
	413.	WO 97/26823A1	07-31-1997	University of Kansas		
	414.	WO 97/34522A1	09-25-1997	Lockheed Martin Energy Systems		
	415.	WO 97/34524A1	09-25-1997	Lockheed Martin Energy Systems		
	416.	WO 97/34525A1	09-25-1997	Lockheed Martin Energy Systems		
	417.	WO 97/39797A1	10-30-1997	Medtronic Inc.		
	418.	WO 97/42990A1	11-20-1997	Medtronic Inc.		
	419.	WO 97/45160A1	12-04-1997	Southern Illinois University		
	420.	WO 98/49935A1	11-12-1998	Lockheed Martin Energy Systems		
	421.	WO 99/56821A1	11-11-1999	Medtronic Inc.		
	422.	WO 99/56822A1	11-11-1999	Cyberonics, Inc.		
	423.	WO 99/20342A1	04-29-1999	Cornell Research Foundation Inc.		

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SG	424.	WO 00/07494A2	02-17-2000	Dilorenzo		
	425.	WO 00/10455 (Corrected Version)	03-02-2000	Emory University		
	426.	WO 01/41867A1	06-14-2001	Gluckman et al.		
	427.	WO 01/48676A1	07-05-2001	Medtronic, Inc.		
	428.	WO 01/49364A2	07-12-2001	Medtronic Inc.		
	429.	WO 01/67288A2	09-13-2001	UT-Battelle, LLC		
	430.	WO 01/75660A1	10-11-2001	Flint Hills Scientific, LLC		
	431.	WO 02/058536A2	08-01-2002	The Trustees of the University of Pennsylvania		
	432.	WO 02/09610 A1	02-07-2002	EPICOR, INC. et al.		
	433.	WO 02/09811A1	02-07-2002	NeuroPace, Inc.		
	434.	WO 02/36003A1	05-10-2002	NeuroPace, Inc.		
	435.	WO 02/38031A2	05-16-2002	NeuroPace, Inc.		
	436.	WO 02/38217A2	05-16-2002	NeuroPace, Inc.		
	437.	WO 02/49500A2	06-27-2002	The Trustees of the University of Pennsylvania		
	438.	WO 03/001996A2	01-09-2003	NeuroPace, Inc.		
	439.	WO 03/030734A2	04-17-2003	NeuroPace, Inc.		
	440.	WO 03/035165A1	05-01-2003	Duke University		
	441.	WO 03/084605A1 (in German with English Abstract)	10-16-2003	Holzner, Oliver		
	442.	WO 04/008373A2	01-22-2004	UT-Battelle, LLC		
✓	443.	WO 04/032720A2	04-22-2004	Flint Hills Scientific,		

Examiner Signature	S.B.	Date Considered	8/15/06
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				Application Number	10/718,248
				Filing Date	November 20, 2003
				First Named Inventor	Daniel DiLorenzo
				Art Unit	3762
				Examiner Name	Scott M. Getzow
Sheet	20	Of	40	Attorney Docket Number	31685-704.502

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ² - Number ³ - Kind Code ⁴ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
SC				LLC		
	444.	WO 04/034231A2	04-22-2004	Flint Hills Scientific, LLC		
	445.	WO 04/034879A2	04-29-2004	Medtronic Inc.		
	446.	WO 04/034880A2	04-29-2004	Medtronic Inc.		
	447.	WO 04/034881A2	04-29-2004	Medtronic Inc.		
	448.	WO 04/034882A2	04-29-2004	Medtronic Inc.		
	449.	WO 04/034883A2	04-29-2004	Medtronic Inc.		
	450.	WO 04/034885A2	04-29-2004	Medtronic Inc.		
	451.	WO 04/034982A2	04-29-2004	Medtronic Inc.		
	452.	WO 04/034997A2	04-29-2004	Medtronic Inc.		
	453.	WO 04/034998A2	04-29-2004	Medtronic Inc.		
	454.	WO 04/035130A2 (in French with English Abstract)	04-29-2004	Centre National De La Recherche Scientifique		
	455.	WO 04/036370A2	04-29-2004	Medtronic Inc.		
	456.	WO 04/036372A2	04-29-2004	Medtronic Inc.		
	457.	WO 04/036376A2	04-29-2004	Medtronic Inc.		
	458.	WO 04/036377A2	04-29-2004	Medtronic Inc.		
	459.	WO 04/037342A2	05-06-2004	The Cleveland Clinic Foundation		
	460.	WO 04/043536A1	05-27-2004	NeuroPace, Inc.		
	461.	WO 04/091718A1	10-28-2004	The Cleveland Clinic Foundation		
	462.	WO 05/007236A2	01-27-2005	Advanced Neuromodulation Systems, Inc.		
	463.	WO 05/028026A1	03-31-2005	Medtronic Inc.		

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SR	464.	WO 05/028028A1	03-31-2005	Medtronic Inc.		
	465.	WO 05/031630A2	04-07-2005	UT-Battelle, LLC		
	466.	WO 05/051167A1	06-09-2005	Cyberkinetics, Inc.		
	467.	WO 05/051306A2	06-09-2005	Dilorenzo		
	468.	WO 05/117693A1	12-15-2005	Children's Medical Center Corporation		
	469.	WO 06/0014971A2	02-09-2006	Armstrong et al.		
	470.	WO 06/0014972A2	02-09-2006	Armstrong et al.		

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				Examiner Name	Scott M. Getzow
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NON PATENT LITERATURE DOCUMENTS			
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SG	471.	ADJOUADI, et al. A new mathematical approach based on orthogonal operators for the detection of interictal spikes in epileptogenic data. <i>Biomed. Sci. Instrum.</i> 2004; 40: 175-80.	
	472.	ADJOUADI, et al. Detection of interictal spikes and artifactual data through orthogonal transformations. <i>J. Clin. Neurophysiol.</i> 2005; 22(1):53-64.	
	473.	ADJOUADI, et al. Interictal spike detection using the Walsh transform. <i>IEEE Trans. Biomed. Eng.</i> 2004; 51(5): 868-72.	
	474.	AKSENOVA, et al. Nonparametric on-line detection of changes in signal spectral characteristics for early prediction of epilepsy seizure onset. <i>J. Automation and Information Sciences.</i> 2004; 36(8): 35-45.	
	475.	AKSENOVA, et al. On-line disharmony detection for early prediction of epilepsy seizure onset. 5TH INTERNATIONAL WORKSHOP NEURAL CODING 2003. Aulla (Italy) 20-25 September 2003. (Abstract)	
	476.	ANDRZEJAK, et al. Bivariate surrogate techniques: necessity, strengths, and caveats. <i>Physical Review E.</i> 2003; 68: 066202-1-066202-15.	
	477.	ANDRZEJAK, et al. Testing the null hypothesis of the nonexistence of a pre-seizure state. <i>Physical Review E.</i> 2003; 67: 010901-1-010901-4.	
	478.	ASCHEBRENNER-SCHIEBE, et al. How well can epileptic seizures be predicted? An evaluation of a nonlinear method. <i>Brain.</i> 2003; 126: 2616-26.	
	479.	BANGHAM et al. Diffusion of univalent ions across the lamellae of swollen phospholipids. 1965. <i>J. Mol. Biol.</i> 13: 238-252.	
V	480.	BARUCHI, et al. Functional holography of complex networks activity - From cultures to the human brain. <i>Complexity.</i> 2005; 10(3): 38 - 51.	

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SC	481.	BARUCHI, et al. Functional holography of recorded neuronal networks activity. Neuroinformatics. 2004; 2(3): 333-51.		
	482.	BEN-HUR, et al. Detecting stable clusters using principal component analysis. Methods Mol. Biol. 2003; 224: 159-82.		
	483.	BERGEY, et al. Epileptic seizures are characterized by changing signal complexity. Clin. Neurophysiol. 2001; 112(2): 241-9.		
	484.	BETTERTON, et al. Determining State of Consciousness from the Intracranial Electroencephalogram (IEEG) for Seizure Prediction. From Proceeding (377) Modelling, Identification, and Control. 2003; 377-201: 313-317.		
	485.	BHATTACHARYA, et al. Enhanced phase synchrony in the electroencephalograph gamma band for musicians while listening to music. Phys. Rev. E. 2001; 64:012902-1-4.		
	486.	BOLEY, et al. Training Support Vector Machine using Adaptive Clustering. 2004 SIAM International Conference on Data Mining, April 22 - April 24, 2004. Lake Buena Vista, FL, USA. 12 pages.		
	487.	BURGESS, C. A Tutorial on Support Vector Machines for Pattern Recognition. Data Mining and Knowledge Discovery. 1998; 2: 121-167.		
	488.	CAO, et al. Detecting dynamical changes in time series using the permutation entropy. Physical Review E. 2004; 70:046217-1-046217-7.		
	489.	CARRETERO-GONZALEZ, et al. Scaling and interleaving of subsystem Lyapunov exponents for spatio-temporal systems. Chaos. 1999; 9(2): 466-482.		
↓	490.	CASDAGLI, et al. Characterizing nonlinearity in invasive EEG recordings from temporal lobe epilepsy. PHYSICA D. 1996; 99 (2/3): 381-399.		

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	492.	CASDAGLI, et al. Non-linearity in invasive EEG recordings from patients with temporal lobe epilepsy. Electroencephalogr. Clin. Neurophysiol. 1997; 102(2): 98-105.			
	493.	CERF, et al. Criticality and synchrony of fluctuations in rhythmical brain activity: pretransitional effects in epileptic patients. Biol. Cybern. 2004; 90(4): 239-55.			
	494.	CHAOVALITWONGSE, et al. EEG Classification in Epilepsy. Annals. 2004; 2(37): 1-31.			
	495.	CHAOVALITWONGSE, et al. Performance of a seizure warning algorithm based on the dynamics of intracranial EEG. Epilepsy Res. 2005; 64(3): 93-113.			
	496.	CHAVEZ, et al. Spatio-temporal dynamics prior to neocortical seizures: amplitude versus phase couplings. IEEE Trans. Biomed. Eng. 2003; 50(5):571-83.			
	497.	Crichton, Michael, "Terminal Man", 1972, Ballantine Books, NY, NY, pages 21-24, 32-33, 70-71, and 74-81			
	498.	D'ALESSANDRO, et al. Epileptic seizure prediction using hybrid feature selection over multiple intracranial EEG electrode contacts: a report of four patients. IEEE Trans. Biomed. Eng. 2003; 50(5): 603-15.			
	499.	D'Alexxandro, et al. A multi-feature and multi-channel univariate selection process for seizure prediction. Clin. Neurophysiol. 2005; 116(3): 506-16.			
	500.	DRURY, et al. Seizure prediction using scalp electroencephalogram. Exp. Neurol. 2003; 184 Suppl 1: S9-18.			
✓	501.	EBERSOLE, J. S. Functional neuroimaging with EEG source models to localize epileptogenic foci noninvasively. Neurology. Available at http://www.uchospitals.edu/pdf/uch_001471.pdf .			

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SG		Accessed February 28, 2006.	
SG	502.	EBERSOLE, J. S. In search of seizure prediction: a critique. Clin. Neurophysiol. 2005; 116(3): 489-92.	
	503.	ELBERT et al. Chaos and Physiology: Deterministic Chaos in Excitable Cell Assemblies. Physiological Reviews. 1994; 74(1):1-47.	
	504.	ELGER, et al. Nonlinear EEG analysis and its potential role in epileptology. Epilepsia. 2000; 41 Suppl 3: S34-8.	
	505.	ELGER, et al. Seizure prediction by non-linear time series analysis of brain electrical activity. Eur. J. Neurosci. 1998; 10(2): 786-789.	
	506.	ESTELLER, et al. A Comparison of Waveform Fractal Dimension Algorithms. IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS. 2001; VOL 48(2): 177-183.	
	507.	ESTELLER, et al. Continuous energy variation during the seizure cycle: towards an on-line accumulated energy. Clin. Neurophysiol. 2005; 116(3): 517-26.	
	508.	ESTELLER, et al. Feature Parameter Optimization for Seizure Detection/prediction. <i>Proceedings of the 23rd Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , Istanbul, Turkey. October 2001.	
	509.	FAUL, et al. An evaluation of automated neonatal seizure detection methods. Clin. Neurophysiol. 2005; 116(7): 1533-41.	
	510.	FEIN, et al. Common reference coherence data are confounded by power and phase effects. Electroencephalogr. Clin. Neurophysiol. 1988; 69:581-584.	
	511.	FELL, et al. Linear inverse filtering improves spatial separation of nonlinear brain dynamics: a simulation study. J. Neurosci. Methods. 2000; 98(1): 49-56.	

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SC	512.	FIRPI, et al. Epileptic seizure detection by means of genetically programmed artificial features. GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 461-466, Washington DC, USA, 2005. ACM Press.	
	513.	FISHER et al. 1999. Reassessment: Vagus nerve stimulation for epilepsy, A report of the therapeutics and technology assessment subcommittee of the American Academy of Neurology. <i>Neurology</i> .53: 666-669.	
	514.	GARDNER, A. B. A Novelty Detection Approach to Seizure Analysis from Intracranial EEG. Georgia Institute of Technology. April 2004. A dissertation available at http://etd.gatech.edu/theses/available/etd-04122004-132404/unrestricted/gardner_andrew_b_200405_phd.pdf . Accessed February 28, 2006.	
	515.	GEVA, et al. Forecasting generalized epileptic seizures from the EEG signal by wavelet analysis and dynamic unsupervised fuzzy clustering. <i>IEEE Trans. Biomed. Eng.</i> 1998; 45(10): 1205-16.	
	516.	GIGOLA, et al. Prediction of epileptic seizures using accumulated energy in a multiresolution framework. <i>J. Neurosci. Methods.</i> 2004; 138(1-2): 107-111.	
	517.	GUYON, I. An introduction to variable and feature selection. <i>Journal of Machine Learning Research.</i> 2003; 3:1157-1182.	
	518.	GUYON, I. Multivariate Non-Linear Feature Selection with Kernel Multiplicative Updates and Gram-Schmidt Relief. BISC FLINT-CIBI 2003 Workshop. Berkeley. 2003; Page 1-11.	
	519.	HARRISON, et al. Accumulated energy revised. <i>Clin. Neurophysiol.</i> 2005; 116(3):527-31.	
	520.	HARRISON, et al. Correlation dimension and integral do not predict epileptic seizures. <i>Chaos.</i> 2005; 15(3): 33106-1-15.	
	521.	HEARST M. Trends & Controversies: Support Vector Machines. <i>IEEE Intelligent Systems.</i> 1998; 13: 18-28.	

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				Art Unit	3762
				Examiner Name	Scott M. Getzow
Sheet	27	Of	40	Attorney Docket Number	31685-704.502

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	522.	HIVELY, et al. Channel-consistent forewarning of epileptic events from scalp EEG. IEEE Trans. Biomed. Eng. 2003; 50(5): 584-93.	
	523.	HIVELY, et al. Detecting dynamical changes in nonlinear time series. Physics Letters A. 1999; 258: 103-114.	
	524.	HIVELY, et al. Epileptic Seizure Forewarning by Nonlinear Techniques. ORNL/TM-2000/333 Oak Ridge National Laboratory. Nov. 2000. Available at http://computing.ornl.gov/cse_home/staff/hively/NBICradaAnnualRptFY00.pdf . Accessed February 28, 2006.	
	525.	HJORTH, B. Source derivation simplifies topographical EEG interpretation. Am. J. EEG Technol. 1980; 20: 121-132.	
	526.	HSU, et al. A practical guide to support vector classification. Technical report, Department of Computer Science and Information Technology, National Taiwan University, 2003. Available at http://www.csie.ntu.edu.tw/~cjlin/papers/guide/guide.pdf . Accessed February 28, 2006.	
	527.	HUYNH, J. A. Evaluation of Gene Selection Using Support Vector Machine Recursive Feature Elimination. Arizona State University. May 26, 2004. (28 pages)	
	528.	HUYNH, J. A. Evaluation of Gene Selection Using Support Vector Machine Recursive Feature Elimination. Presentation slides. (41 pages) (May 26, 2004)	
	529.	IASEMIDIS, et al. Adaptive epileptic seizure prediction system. IEEE Trans. Biomed. Eng. 2003; 50(5):616-27.	
	530.	IASEMIDIS, et al. Automated Seizure Prediction Paradigm. Epilepsia. 1998; vol. 39, pp. 56.	
		531.	IASEMIDIS, et al. Chaos Theory and Epilepsy. The Neuroscientist. 1996; 2:118-126.

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SG	532.	IASEMIDIS, et al. Comment on "Inability of Lyapunov exponents to predict epileptic seizures." Physical Review Letters. 2005; 94(1):019801-1.	
	533.	IASEMIDIS, et al. Detection of the Preictal Transition State in Scalp-Sphenoidal EEG Recordings. American Clinical Neurophysiology Society Annual Meeting, Sep. 1996. pp. C206.	
	534.	IASEMIDIS, et al. Dynamical Interaction of the Epileptogenic Focus with Extrafocal Sites in Temporal Lobe Epilepsy (TLE). Ann. Neurol. 1997; 42, pp. 429. pp. M146.	
	535.	IASEMIDIS, et al. Epileptogenic Focus Localization by Dynamical Analysis of Interictal Periods of EEG in Patients with Temporal Lobe Epilepsy. Epilepsia. 1997; 38, suppl. 8, pp. 213.	
	536.	IASEMIDIS, et al. Localizing Preictal Temporal Lobe Spike Foci Using Phase Space Analysis. Electroencephalography and Clinical Neurophysiology. 1990; 75, pp. S63-64.	
	537.	IASEMIDIS, et al. Long-term prospective on-line real-time seizure prediction. Clin. Neurophysiol. 2005; 116(3):532-44.	
	538.	IASEMIDIS, et al. Long-Time-Scale Temporo-spatial Patterns of Entrainment of Preictal Electroencephalographic Data in Human Temporal Lobe Epilepsy. Epilepsia. 1990; 31(5):621.	
	539.	IASEMIDIS, et al. Measurement and Quantification of Spatio-Temporal Dynamics of Human Epileptic Seizures. In: Nonlinear Signal Processing in Medicine, Ed. M. Akay, IEEE Press. 1999; pp. 1-27	
	540.	IASEMIDIS, et al. Modelling of ECoG in temporal lobe epilepsy. Biomed. Sci. Instrum. 1988; 24: 187-93.	
	541.	IASEMIDIS, et al. Nonlinear Dynamics of ECoG Data in Temporal Lobe Epilepsy. Electroencephalography and Clinical Neurophysiology. 1998; 5, pp. 339.	
	542.	IASEMIDIS, et al. Phase space topography and the Lyapunov exponent of electrocorticograms in partial seizures. Brain Topogr. 1990; 2(3): 187-201.	

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SG	543.	IASEMIDIS, et al. Preictal Entrainment of a Critical Cortical Mass is a Necessary Condition for Seizure Occurrence. <i>Epilepsia</i> . 1996; 37, suppl. 5. pp. 90.	
	544.	IASEMIDIS, et al. Preictal-Postictal Versus Postictal Analysis for Epileptogenic Focus Localization. <i>J. Clin. Neurophysiol.</i> 1997; 14, pp. 144.	
	545.	IASEMIDIS, et al. Quadratic binary programming and dynamic system approach to determine the predictability of epileptic seizures. <i>Journal of Combinatorial Optimization</i> . 2001; 5: 9-26.	
	546.	IASEMIDIS, et al. Quantification of Hidden Time Dependencies in the EEG within the Framework of Non-Linear Dynamics. World Scientific. 1993; pp. 30-47.	
	547.	IASEMIDIS, et al. Spatiotemporal dynamics of human epileptic seizures. World Scientific. 1996; pp. 26-30.	
	548.	IASEMIDIS, et al. Spatiotemporal Evolution of Dynamical Measures Precedes Onset of Mesial Temporal Lobe Seizures. <i>Epilepsia</i> . 1994; 35, pp. 133.	
	549.	IASEMIDIS, et al. Spatiotemporal Transition to Epileptic Seizures: A Nonlinear Dynamical Analysis of Scalp and Intracranial EEG Recordings. (In SILVA, F.L. Spatiotemporal Models in Biological and Artificial Systems. Ohmsha IOS Press. 1997; 37, pp. 81-88.)	
	550.	IASEMIDIS, et al. The evolution with time of the spatial distribution of the largest lyapunov exponent on the human epileptic cortex. World Scientific. 1991; pp. 49-82.	
	551.	IASEMIDIS, et al. The Use of Dynamical Analysis of EEG Frequency Content in Seizure Prediction. American Electroencephalographic Society Annual Meeting, Oct. 1993.	
	552.	IASEMIDIS, et al. Time Dependencies in Partial Epilepsy. 1993; 34, pp. 130-131.	
✓	553.	IASEMIDIS, et al. Time dependencies in the occurrences of epileptic seizures. <i>Epilepsy Res.</i> 1994; 17(1): 81-94.	

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	554.	IASEMIDIS, L. D. Epileptic seizure prediction and control. IEEE Trans. Biomed. Eng. 2003; 50(5):549-58.	
	555.	JERGER, et al. Early seizure detection. Journal of Clin. Neurophysiol. 2001; 18(3):259-68.	
	556.	JERGER, et al. Multivariate linear discrimination of seizures. Clin. Neurophysiol. 2005; 116(3):545-51.	
	557.	JOUNY, et al. Characterization of epileptic seizure dynamics using Gabor atom density. Clin. Neurophysiol. 2003; 114(3):426-37.	
	558.	JOUNY, et al. Signal complexity and synchrony of epileptic seizures: is there an identifiable preictal period? Clin. Neurophysiol. 2005; 116(3):552-8.	
	559.	KAPIRIS, et al. Similarities in precursory features in seismic shocks and epileptic seizures. Europhys. Lett. 2005; 69(4):657-663.	
	560.	KATZ, et al. Does interictal spiking change prior to seizures? Electroencephalogr. Clin. Neurophysiol. 1991; 79(2):153-6.	
	561.	KEREM, et al. Forecasting epilepsy from the heart rate signal. Med. Biol. Eng. Comput. 2005; 43(2):230-9.	
	562.	KHALILOV, et al. Epileptogenic actions of GABA and fast oscillations in the developing hippocampus. Neuron. 2005; 48(5):787-96.	
	563.	KORN, et al. Is there chaos in the brain? II. Experimental evidence and related models. C. R. Biol. 2003; 326(9):787-840.	
	564.	KRASKOV, A. Synchronization and Interdependence Measures and Their Application to the Electroencephalogram of Epilepsy Patients and Clustering of Data. Available at http://www.kfa-juelich.de/nic-series/volume24/nic-series-band24.pdf . Accessed April 17, 2006. (106 pages)	

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	566.	LACHAUX, et al. Measuring phase synchrony in brain signals. Hum. Brain Mapp. 1999; 8(4):194-208.	
	567.	LAI, et al. Controlled test for predictive power of Lyapunov exponents: their inability to predict epileptic seizures. Chaos. 2004; 14(3):630-42.	
	568.	LAI, et al. Inability of Lyapunov exponents to predict epileptic seizures. Phys. Rev. Lett. 2003; 91(6):068102-1-4.	
	569.	LATKA, et al. Wavelet analysis of epileptic spikes. Phys. Rev. E. 2003; 67(5 Pt 1):052902 (6 pages)	
	570.	LE VAN QUYEN, et al. Anticipating epileptic seizures in real time by a non-linear analysis of similarity between EEG recordings. Neuroreport. 1999; 10(10):2149-55.	
	571.	LE VAN QUYEN, et al. Author's second reply. The Lancet. 2003; 361:971.	
	572.	LE VAN QUYEN, et al. Comparison of Hilbert transform and wavelet methods for the analysis of neuronal synchrony. J. Neurosci. Methods. 2001; 111(2):83-98.	
	573.	LE VAN QUYEN, et al. Nonlinear analyses of interictal EEG map the brain interdependences in human focal epilepsy. Physica D. 1999; 127:250-266.	
	574.	LE VAN QUYEN, et al. Preictal state identification by synchronization changes in long-term intracranial EEG recordings. Clin. Neurophysiol. 2005; 116(3):559-68.	
	575.	LE VAN QUYEN, M. Anticipating epileptic seizures: from mathematics to clinical applications. C. R. Biol. 2005; 328(2):187-98.	

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	577.	LEHNERTZ, et al. Seizure prediction by nonlinear EEG analysis. IEEE Eng. Med. Biol. Mag. 2003; 22(1):57-63.	
	578.	LEHNERTZ, et al. The First International Collaborative Workshop on Seizure Prediction: summary and data description. Clin. Neurophysiol. 2005; 116(3):493-505.	
	579.	LEHNERTZ, K. Non-linear time series analysis of intracranial EEG recordings in patients with epilepsy--an overview. Int. J. Psychophysiol. 1999; 34(1):45-52.	
	580.	LEMONS, et al. The weighted average reference montage. Electroencephalogr. Clin. Neurophysiol. 1991; 79(5):361-70.	
	581.	LI, et al. Fractal spectral analysis of pre-epileptic seizures in terms of criticality. J. Neural Eng. 200; 2(2):11-6.	
	582.	LI, et al. Linear and nonlinear measures and seizure anticipation in temporal lobe epilepsy. J. Comput. Neurosci. 2003; 15(3):335-45.	
	583.	LI, et al. Non-linear, non-invasive method for seizure anticipation in focal epilepsy. Math. Biosci. 2003; 186(1):63-77.	
	584.	LITT, et al. Prediction of epileptic seizures. Lancet Neurol. 2002; 1(1):22-30.	
	585.	LITT, et al. Seizure prediction and the pre-seizure period. Curr. Opin. Neurol. 2002; 15(2):173-7.	
	586.	MAIWALD, et al. Comparison of three nonlinear seizure prediction methods by means of the seizure prediction characteristic. Physica D. 2004; 194:357-368.	

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				Application Number	10/718,248
				Filing Date	November 20, 2003
				First Named Inventor	Daniel DiLorenzo
				Art Unit	3762
				Examiner Name	Scott M. Getzow
Sheet	33	Of	40	Attorney Docket Number	31685-704.502

NON PATENT LITERATURE DOCUMENTS			
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SG	587.	MANGASARIAN, et al. Lagrangian Support Vector Machines. Journal of Machine Learning Research. 2001; 1:161-177.	
	588.	MARTNERIE, et al. Epileptic seizures can be anticipated by non-linear analysis. Nat. Med. 1998; 4(10):1173-6.	
	589.	McSHARRY, et al. Comparison of predictability of epileptic seizures by a linear and a nonlinear method. IEEE Trans. Biomed. Eng. 2003; 50(5):628-33.	
	590.	McSHARRY, et al. Linear and non-linear methods for automatic seizure detection in scalp electro-encephalogram recordings. Med. Biol. Eng. Comput. 2002; 40(4):447-61.	
	591.	McSHARRY, P. E. Detection of dynamical transitions in biomedical signals using nonlinear methods. LECTURE NOTES IN COMPUTER SCIENCE 2004; 3215:483-490.	
	592.	MENG, et al. Gaussian mixture models of ECoG signal features for improved detection of epileptic seizures. Med. Eng. Phys. 2004; 26(5):379-93.	
	593.	MIZUNO-MATSUMOTO, et al. Wavelet-crosscorrelation analysis can help predict whether bursts of pulse stimulation will terminate afterdischarges. Clin. Neurophysiol. 2002; 113(1):33-42.	
	594.	MORMANN, et al. Automated detection of a pre seizure state based on a decrease in synchronization in intracranial electroencephalogram recordings from epilepsy patients. Phys. Rev. E. 2003; 67(2 Pt 1):021912-1-10.	
	595.	MORMANN, et al. Epileptic seizures are preceded by a decrease in synchronization. Epilepsy Res. 2003; 53(3):173-85.	
	596.	MORMANN, et al. Mean phase coherence as a measure for phase synchronization and its application to the EEG of epilepsy patients. Physica D. 2000; 144:358-369.	

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	598.	MORMANN, et al. Seizure anticipation: from algorithms to clinical practice. Curr. Opin. Neurol. 2006; 19(2):187-93.	
	599.	NAVARRO, et al. Seizure anticipation in human neocortical partial epilepsy. Brain. 2002; 125:640-55.	
	600.	NAVARRO, et al. Seizure anticipation: do mathematical measures correlate with video-EEG evaluation? Epilepsia. 2005; 46(3):385-96.	
	601.	NIEDERHAUSER, et al. Detection of seizure precursors from depth-EEG using a sign periodogram transform. IEEE Trans. Biomed. Eng. 2003; 50(4):449-58.	
	602.	NIGAM, et al. A neural-network-based detection of epilepsy. Neurological Research. 2004; 26(1):55-60.	
	603.	OSORIO, et al. Automated seizure abatement in humans using electrical stimulation. Ann. Neurol. 2005; 57(2):258-68.	
	604.	OSORIO, et al. Performance reassessment of a real-time seizure-detection algorithm on long ECoG series. Epilepsia. 2002; 43(12):1522-35.	
	605.	OSORIO, et al. Real-time automated detection and quantitative analysis of seizures and short-term prediction of clinical onset. Epilepsia. 1998; 39(6):615-27.	
	606.	OSSADTCHI, et al. Hidden Markov modelling of spike propagation from interictal MEG data. Phys. Med. Biol. 2005; 50(14):3447-69.	
✓	607.	PFLIEGER, et al. A noninvasive method for analysis of epileptogenic brain connectivity. Presented at the American Epilepsy Society 2004 Annual Meeting, New Orleans. December 6, 2004. Epilepsia. 2004; 45(Suppl. 7):70-71.	

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S.G.	608.	PITTMAN, V. Flexible Drug Dosing Produces Less Side-effects In People With Epilepsy. December 29, 2005. Available at http://www.medicalnewstoday.com/medicalnews.php?newsid=35478 . Accessed on April 17, 2006.	
	609.	PLATT, et al. Large Margin DAGs for Multiclass Classification. S.A. Solla. T.K. Leen and K. R. Muller (eds.). 2000; pp. 547-553.	
	610.	PLATT, J. C. Using Analytic QP and Sparseness to Speed Training of Support Vector Machines. ADVANCES IN NEURAL INFORMATION PROCESSING SYSTEMS. 1999; 11:557-563.	
	611.	PROTOPODESCU, et al. Epileptic event forewarning from scalp EEG. J. Clin. Neurophysiol. 2001; 18(3):223-45.	
	612.	RAHIMI, et al. On the Effectiveness of Aluminium Foil Helmets: An Empirical Study. Available at http://people.csail.mit.edu/rahimi/helmet/ . Accessed March 2, 2006.	
	613.	Remington's Pharmaceutical Sciences, latest edition, Mack Publishing Co., Easton P.	
	614.	ROBINSON, et al. Steady States and Global Dynamics of Electrical Activity in the Cerebral Cortex. Phys. Rev. E. 1998; (58):3557-3571.	
	615.	RUDRAUF, et al. Frequency flows and the time-frequency dynamics of multivariate phase synchronization in brain signals. NeuroImage. 2005. (19 pages.)	
	616.	SAAB, et al. A system to detect the onset of epileptic seizures in scalp EEG. Clin. Neurophysiol. 2005; 116:427-442.	
	617.	SACKELLARES et al. Computer-Assisted Seizure Detection Based on Quantitative Dynamical Measures. American Electroencephalographic Society Annual Meeting, Sep. 1994.	

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	618.	SACKELLARES et al. Dynamical Studies of Human Hippocampus in Limbic Epilepsy. Neurology. 1995; 45, Suppl. 4, pp. A 404.	
	619.	SACKELLARES et al. Epileptic Seizures as Neural Resetting Mechanisms. Epilepsia. 1997; vol. 38, Sup. 3.	
	620.	SACKELLARES et al. Measurement of Chaos to Localize Seizure Onset. Epilepsia. 1989; 30(5):663.	
	621.	SACKELLARES et al. Relationship Between Hippocampal Atrophy and Dynamical Measures of EEG in Depth Electrode Recordings. American Electroencephalographic Society Annual Meeting, Sep. 1995. pp. A105.	
	622.	SACKELLARES, J. C. Epilepsy - when chaos fails. In: chaos in the brain? Eds. K. Lehnertz & C.E. Elger. World Scientific. 2000 (22 pages).	
	623.	SALANT, et al. Prediction of epileptic seizures from two-channel EEG. Med. Biol. Eng. Comput. 1998; 36(5):549-56.	
	624.	SCHELTER, et al. Testing for directed influences among neural signals using partial directed coherence. J. Neurosci. Methods. 2006; 152(1-2):210-9.	
	625.	SCHINDLER, et al. EEG analysis with simulated neuronal cell models helps to detect pre-seizure changes. Clin. Neurophysiol. 2002; 113(4):604-14.	
	626.	SCHWARTZKROIN, P. Origins of the Epileptic State. Epilepsia. 1997; 38, suppl. 8, pp. 853-858.	
	627.	SHERIDAN, T. Humans and Automation. NY: John Wiley. 2002.	
	628.	SHOEB et al. Patient-specific seizure detection. MIT Computer Science and Artificial Intelligence Laboratory. 2004; pp. 193-194.	

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SC	629.	STABA, et al. Quantitative analysis of high-frequency oscillations (80-500 Hz) recorded in human epileptic hippocampus and entorhinal cortex. J. Neurophysiol. 2002; 88(4):1743-52.	
	630.	STEFANSKI, et al. Using chaos synchronization to estimate the largest lyapunov exponent of nonsmooth systems. Discrete Dynamics in Nature and Society. 2000; 4:207-215.	
	631.	SUBASI, et al. Classification of EEG signals using neural network and logistic regression. Computer Methods Programs Biomed. 2005; 78(2):87-99.	
	632.	SZOKA et al. A new procedure for preparation of liposomes with large internal aqueous space and high capture volume by reverse phase evaporation. 1978. Proc. Natl Acad. Sci. USA. 75: 4194-4198.	
	633.	TASS, et al. Detection of n: m Phase Locking from Noisy Data: Application to Magnetoencephalography. PHYSICAL REVIEW LETTERS. 1998; 81(15):3291-3294.	
	634.	TERRY, et al. An improved algorithm for the detection of dynamical interdependence in bivariate time-series. Biol. Cybern. 2003; 88(2):129-36.	
	635.	TETZLAFF, et al. Cellular neural networks (CNN) with linear weight functions for a prediction of epileptic seizures. Int'l. J. of Neural Systems. 2003; 13(6):489-498.	
	636.	THEILER, et al. Testing for non-linearity in time series: the method of surrogate data. Physica D. 1992; 58:77-94.	
	637.	TSAKALIS, K. S. Prediction and control of epileptic seizures: Coupled oscillator models. Arizona State University. (Slide: 53 pages) (No date)	
	638.	VAN DRONGELEN, et al. Seizure anticipation in pediatric epilepsy: use of Kolmogorov entropy. Pediatr. Neurol. 2003; 29(3): 207-13.	
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SB	640.	VENUGOPAL, et al. A new approach towards predictability of epileptic seizures: KLT dimension. Biomed Sci. Instrum. 2003; 39:123-8.		
	641.	VONCK, et al. Long-term amygdalohippocampal stimulation for refractory temporal lobe epilepsy. Ann. Neurol. 2002; 52(5):556-65.		
	642.	VONCK, et al. Long-term deep brain stimulation for refractory temporal lobe epilepsy. Epilepsia. 2005; 46(Suppl 5):98-9.		
	643.	VONCK, et al. Neurostimulation for refractory epilepsy. Acta. Neurol. Belg. 2003; 103(4):213-7.		
	644.	WEISS, P. Seizure prelude found by chaos calculation. Science News. 1998; 153(20):326.		
	645.	WELLS, R. B. Spatio-Temporal Binding and Dynamic Cortical Organization: Research Issues. March, 2005. Available at http://www.mrc.uidaho.edu/~rwells/techdocs/Functional%20Column%20Research%20Issues.pdf . Accessed March 2, 2006.		
	646.	WIDMAN, et al. Reduced signal complexity of intracellular recordings: a precursor for epileptiform activity? Brain Res. 1999; 836(1-2):156-63.		
	647.	WINTERHALDER, et al. Sensitivity and specificity of coherence and phase synchronization analysis. (In Press) Phys. Lett. A. 2006		
	648.	WINTERHALDER, et al. The seizure prediction characteristic: a general framework to assess and compare seizure prediction methods. Epilepsy Behav. 2003; 4(3):318-25.		
✓	649.	YANG, et al. A supervised feature subset selection technique for multivariate time series. Available at http://infolab.usc.edu/DocsDemos/fsdm05.pdf . Accessed March 2, 2006.		

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SG	650.	YANG, et al. CLe Ver: A feature subset selection technique for multivariate time series. T. B. Ho, D. Cheung, and H. Liu (Eds.): PAKDD. 2005; LNAI 3518: 516-522.	
	651.	YANG, et al. Relation between Responsiveness to Neurotransmitters and Complexity of Epileptiform Activity in Rat Hippocampal CA1 Neurons. Epilepsia. 2002; 43(11):1330-1336.	
	652.	YATSENKO, et al. Geometric Models, Fiber Bundles, and Biomedical Applications. Proceedings of Institute of Mathematics of NAS of Ukraine. 2004; 50 (Part 3):1518-1525.	
	653.	ZAVERI et al. Time-Frequency Analyses of Nonstationary Brain Signals. Electroencephalography and Clinical Neurophysiology. 1991; 79, pp. 28P-29P.	
	654.	ZHANG, et al. High-resolution EEG: cortical potential imaging of interictal spikes. Clin. Neurophysiol. 2003; 114(10):1963-73.	

UNPUBLISHED PATENT APPLICATIONS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
SG	655.	Daniel John Dilorenzo, U.S. Patent Application No. 10/858,899, entitled "Closed-loop feedback-driven neuromodulation," filed June 1, 2004 (WSGR Reference No. 31685-704.505)	
	656.	Daniel John Dilorenzo, et al., U.S. Patent Application No. 11/159,842, entitled "Closed-loop feedback-driven neuromodulation," filed June 22, 2005 (WSGR Reference No. 31685-704.508)	
	657.	Daniel J. Dilorenzo, U.S. Patent Application No. 11/234,873, entitled "Systems and methods for monitoring a patient's neurological disease state," filed September 23, 2005 (WSGR Reference No. 31685-704.509)	

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				Application Number	10/718,248
				Filing Date	November 20, 2003
				First Named Inventor	Daniel DiLorenzo
				Art Unit	3762
				Examiner Name	Scott M. Getzow
Sheet	40	Of	40	Attorney Docket Number	31685-704.502

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SG	658.	Daniel J. Dilorenzo, U.S. Patent Application No. 11/239,653, entitled "Systems and methods for monitoring a patient's neurological disease state," filed September 28, 2005 (WSGR Reference No. 31685-704.510)		
	659.	Daniel John Dilorenzo, U.S. Patent Application No. 11/282,317 entitled "Closed-loop vagus nerve stimulation," filed November 17, 2005 (WSGR Reference No. 31685-704.511)		
	660.	Kent W. Leyde, et al., U.S. Patent Application No. 11/321,897, entitled "Methods and systems for recommending an appropriate action to a patient for managing epilepsy and other neurological disorders," filed December 28, 2005 (WSGR Reference No. 31685-713.201)		
	661.	Daniel J. Dilorenzo, et al., U.S. Patent Application No. 11/321,898, entitled "Methods and systems for recommending an appropriate pharmacological treatment to a patient for managing epilepsy and other neurological disorders," filed December 28, 2005 (WSGR Reference No. 31685-713.202)		
	662.	Mike Bland, et al., U.S. Patent Application No. 11/322,150, entitled "Systems and methods for characterizing a patient's propensity for a neurological event and for communicating with a pharmacological agent dispenser," filed December 28, 2005 (WSGR Reference No. 31685-713.203)		

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